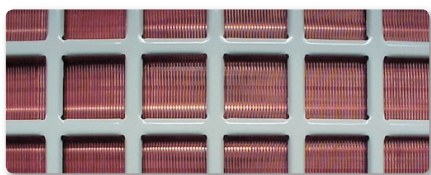
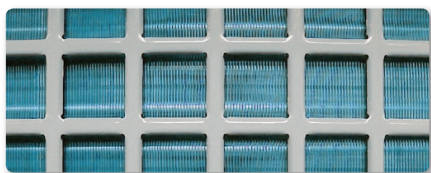


# Air Systems Common Specifications



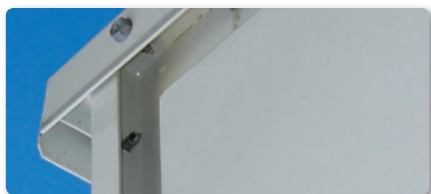
## Copper-copper coil :

Available as an option, copper-copper coils are often used for refinery/chemical sites or salt-laden air where it is difficult to service the unit.



## Anti-corrosion blue protected fins :

Available as option, blue coated fins (conform to 1000 hrs salt spray fog ASTM B117 standard) will extend the life of your A/C in aggressive area. An economical alternative to copper-copper coils.



## Cabinet :

Build to be use in harsh conditions, heavy gauge galvanised steel cabinet will provide years of dependable operation. Automatic line painting process degrease, phosphate, passivate, clean with demineralised water and powder paint backed on oven at 220°C casing panels. An exceptionally durable finish RAL9002 guaranteed by 800 hours fog spray protection process in accordance with DIN 50 021.



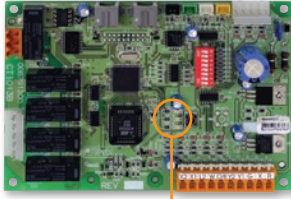
## Quality and ELT :

Design, built and tested under ISO9001 quality system certification, we are constantly listening to customer comments. For this reason, our End of Line Test ELT strives to be as close as possible to the commissioning you carry out on site.

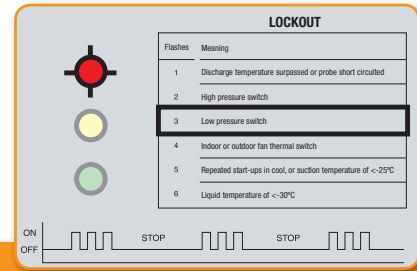
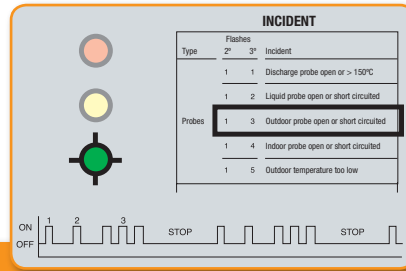
## Features and benefits Thermostat DPC-1

| Codes | Meaning   |
|-------|---|
| 11    | Circuit 1, Discharge temperature too high or probe short circuit                            |
| 12    | Circuit 1, High pressure switch, outdoor fan overload or compressor motor protection module |
| <hr/> |   |
| 91    | Selected sensor not valid   |
| 92    | Indoor sensor not calibrated  |
| 93    | Communication alarm   |
| 94    | Pin alarm   |

- Day (normal), night (economy) and unoccupied (stand by).
- Lockout code on screen gives direct diagnostics.
- ON/OFF or programmable from dip switch setting.
- Day or night programmable state avoids wide internal temperature variation.
- 3 preset and 3 programmable profiles.
- Select the control sensor you want to use (integrated in the thermostat, return air in duct or room sensor).
- Turbo, normal or economy logic from dip switch setting.
- Temperature override.
- From -3°C to +3°C sensor offset.
- Average temperature with room or duct sensors.



## Led Diagnostic Code



The **YKlon** is a controller regulating all components and accessories. It will pro actively manage cool and heat stages to maintain a stable room temperature. Additionally, the benefits are:

- Redundancy on cool and heat stages (if one step is locked out, the PCB starts another one automatically).
- Random start between units to minimise electrical tariff.
- All stages will start in sequence to reduce peak inrush.
- Reduces nuisance calls by using 3 times "you are out" on all safeties before a hard lockout occurs.

- Automatic restart after power failure.
- Compressors run time priority.
- Alarm output relay and led diagnostic code.
- No parameters to check before starting.
- Lockout and incident level of protection.
- Use a standard 2-stage thermostat but get 98% of YKlon features.
- Last 10 lockouts stored in a non-volatile memory.
- 4 heating stages on hot water heating.

## YKlink

The **YKlink** is a complete service that YORK can offer in order to provide a network between units. By utilising a commissioning service contract with YORK, you will have peace of mind improved

reliability and the guarantee of consistent follow-up by trained engineers. For more detail, see the following pages.

## YKtool

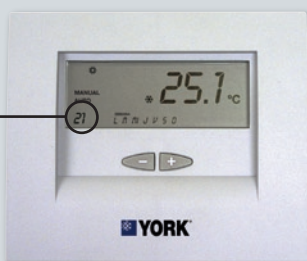


new

### Features and benefits YKtool

- Cooling and defrost test.
- Heat pump, gas, hot water and electrical heating test.
- Give access to input and output of the **YKlon**.
- Give access to accessories status and read the probe values.

## Thermostats with integrated sensors



DS-1



AS-1



RS-1

new

| Thermostat models |               | DPC-1     | DPC-1R    |
|-------------------|---------------|-----------|-----------|
|                   | Code          | 603786044 | 603786045 |
| Roomtop           | RTC and RTH   | X         | 0         |
| Rooftop           | All models    | X (1)     | 0         |
| Split system      | SOC and SOH   | X         | 0         |
|                   | SCOC and SCOH | X         | 0         |

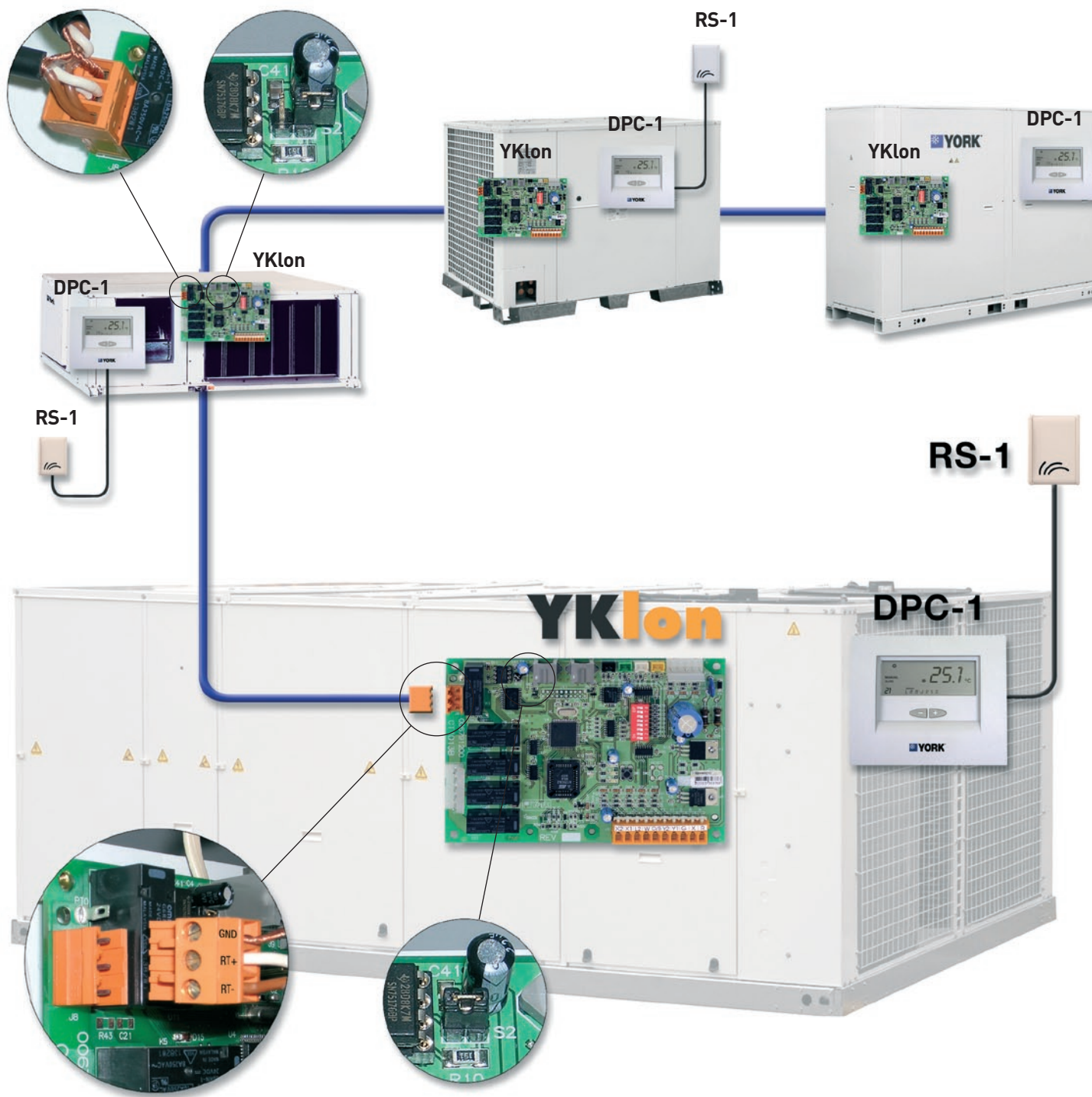
| Duct sensor | Ambiance sensor | Room sensor |
|-------------|-----------------|-------------|
| DS-1        | AS-1 *          | RS-1        |
| 603786047   | 603786049       | 603786042   |

\* To be fitted with DPC-1 version 2.0 or superior

### Main features

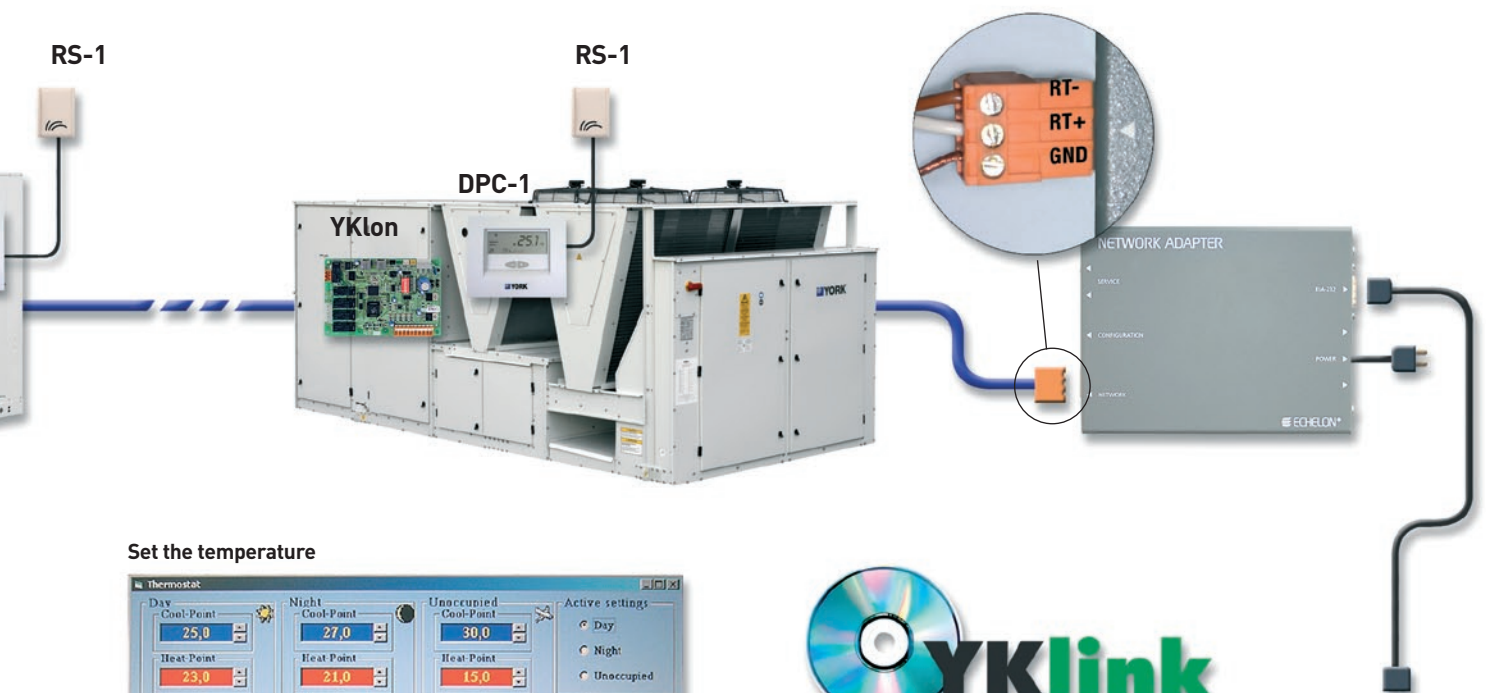
| Strategy                         | Turbo, normal or economy  |            |   |
|----------------------------------|---------------------------|------------|---|
| Auto restart after power failure | ●                         | ●          | ● |
| Number of cool stages            | 2                         | 1          | 2 |
| Number of heat stages            | 2                         | 1          | 2 |
| Auxiliary Heat                   | ●                         | ●          | ● |
| Automatic Heat/Cool change over  | ●                         | ●          | ● |
| Continuous or auto indoor fan    | ●                         | ●          | ● |
| Manual setback (Day/Night key)   | Day, night and unoccupied |            |   |
| Override possibility             | ●                         | ●          | ● |
| Compressor anti short cycle      | ●                         | ●          | ● |
| °C Range cooling / heating       | 10 to 32°C / 9 to 32°C    |            |   |
| Programmable, 7-day              | ●                         | ●          | ● |
| Lockout codes                    | ●                         | ●          | ● |
| Outdoor air temperature          | ●                         | with YKlon |   |
| Sensor selection                 | ●                         | ●          | ● |

X : Delivered as standard with the unit. X (1) : Standard but has to be ordered separately.  
0 : Optional. ● : Function available.

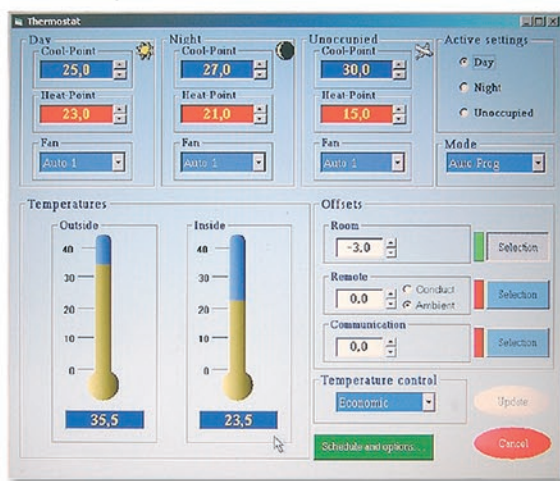


Echelon device networking technology enables end-users to remotely connect, monitor, control, sense, and diagnose intelligent devices. Today, thousands of intelligent devices and appliances are equipped with LonWorks networks. You can find them in every aspect of the device networking environment from HVAC and lighting in buildings, to collecting energy usage information or data across a grid of 27 million homes 24 hours a day. LonWorks networks simplify system management, conserve energy, improve operations, and reduce costs.

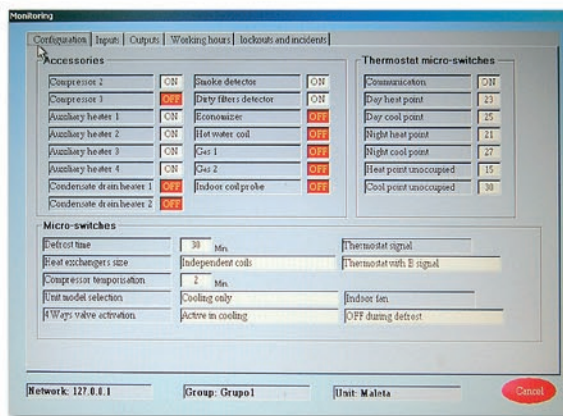




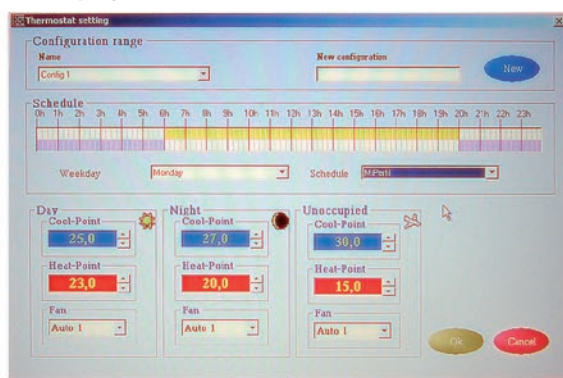
### Set the temperature



### Read the unit



### Set the programming



### Features and benefits of YKlink software

YKlink software is used to set-up and view the operation of HVAC units using YKlon's PCB. Installed into a dedicated computer, this software will allow:

- Group control of units working with the same conditions (temperature mode, daily schedule, etc...).
- View parameters such as:
  - Component status.
  - Air and refrigeration circuit temperatures.
  - Accessory status, etc.
- Remote control all DPC-1 thermostat settings: temperature, mode, programming, etc.
- Direct access to the last 10 lockouts and incidents.
- Create network of interconnected rooftop AHU's where each one has independent control.
- Generate business from remote monitoring service contract.
- Provides 24/7 real-time worldwide monitoring on YKlon products.
- Option of commissioning service contract.
- Access to the communication network business without relying on personnel with specific BMS knowledge.

# YKlon system applications



Used on a regular basis, you will come to appreciate the **YKtool**. For commissioning, it will override the thermostat and start the cool / heat stages. Being a plug and play device, you will have a direct access to all sensors, status of each component and accessory installed.

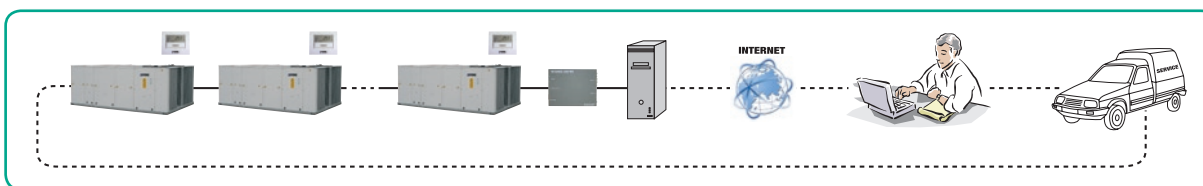
*You need accurate data, so do I.*



A dedicated computer with modem, a network adapter and telephone connection. This is all you need to realise your objective: "Send your engineer before your customer get's upset due to a HVAC problem".

Be clever and use the potential of **YKlink** to send your operator with the required spare parts.

*You care for your customers, so do I.*

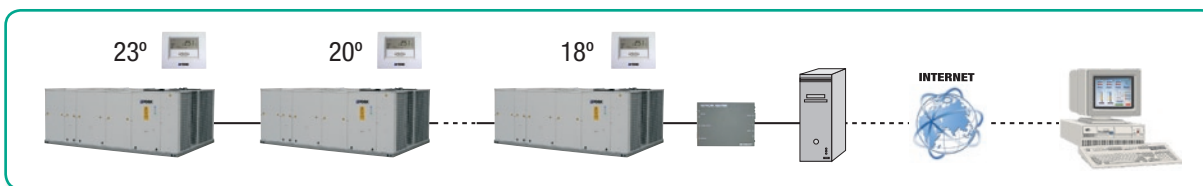


## MULTIPLEX



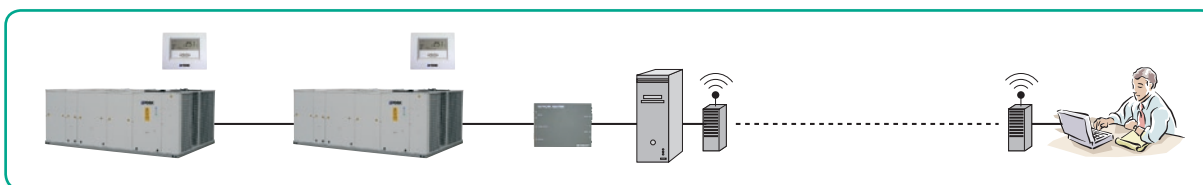
Analysis shows clearly: "dealer and installer must offer better value to keep customers and stay in business". A service contract can play a major role in this value proposition. Without BMS knowledge, **YKlink** software will allow weekly remote control for the settings in each room.

*You need your customer, so do I.*



Is capital cost important to you ? If so, forget complicated and costly BMS network and use the new **YKlink** software together with wireless interface modem. It provides lockout alarm messages, remote reset, remote setting, etc..., and will help you to save time and money.

*You have to save time and money, so do I.*



# ROOFTOP principle : More flexible than ever

